



SEQUENCE LISTING

<110> POQUET, ISABELLE
LLULL, DANIEL

<120> ZINC-REGULATED PROKARYOTIC EXPRESSION CASSETTES

<130> 40526U

<140> 10/525,449

<141> 2005-02-24

<150> PCT/FR03/02606

<151> 2003-08-29

<150> FR 02 10805

<151> 2002-08-30

<160> 17

<170> PatentIn version 3.5

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<223> Description of Artificial Sequence: Synthetic consensus
sequence of the pzn bacterial promoter

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32

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<223> Description of Artificial Sequence: Synthetic consensus
sequence of the pzn bacterial promoter

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32

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<213> Lactococcus lactis

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<220>
<221> -10_signal
<222> (42)..(47)

<400> 4
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56

<210> 5
<211> 57
<212> DNA
<213> Lactococcus lactis

<220>
<221> -35_signal
<222> (20)..(25)

<220>
<221> -10_signal
<222> (43)..(48)

<400> 5
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57

<210> 6
<211> 25
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<213> Lactococcus lactis

<400> 6
Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala
20 25

<210> 7
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 7
ctaatgagcg ggcttttt
18

<210> 8
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

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gctctagagc gggatccttc atcgaaactc ttcag
35

<210> 9
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<212> DNA
<213> Lactococcus lactis

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acaaaagctg ggtaccgggc cccccctcga ggtcgacggt atcgatagcc cgcctaata
120

gcgggctttt ttttgatata gaattacccg ggaattcaga tctttgatca aggatctgtc
180

agctgggttca actagcgggtg gtcaaactgt tagtaataaaa acttattggt ttgatgttcg
240

gcttaaggat ggaaggattt ttcaaataaaa aaagtaaaaa ataattgtaa ctggttgaca
300

ttatTTTTac tttgctatat aattaaccag taaactaatt atggaggaca aaatactatg
360

antttagcaa atcaaatacga ccagtttctt ggggcaatta tgcagtttgc anaaaacaag
420

catgaaatat tactcggcga atgcnaaagt aatgttaagc taacaagcac gcaagaacat

480

atcttaatga ttctagctgc agaggtttcg acaaacgcga gaattgccga gcaactcaag
540

atttcgccag cagcggtaac taaagctctc aaaaaattac aagagcaaga actgattaaa
600

tcaagtcggg caacaaatga cgaacgcgta gtcctttgga gcctgacaga aaaagcaatt
660

ccagttgcta aagaacatgc tgctcatcat gagaaaactc taagtaccta ccaagaatta
720

ggagacaaat ttactgacga agaacaaaaa gtgataagtc aattcttatac agtacttacg
780

gaggagtttc gatgaagaaa atattgatgt tatttgctat tccggcagtt ttacttcttg
840

ctggttgta aaaaacagca gacaaaccag aagttgtgac aacttttgag ccgatgtatg
900

aatttacgaa agcgattgtt ggagataagg ttaaaattga aaatattgtt ccggcgaatc
960

aagaagttca cgaatttgaa ccgagtgcca ttacgaaaaa aatggtagaa aatgcaaaga
1020

aaattgaagt cgagtttgac aaagggtcaaa gaactgataa atatggacgt ggcttagcgt
1080

atatttatgc tgatggaaaa
1100

<210> 10
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60

gatgttcggc ttaaggatgg aaggattttt caaataaaaa agtaaaaaat aatgttaact
120

ggttgacatt atttttactt tgctatataa ttaaccagta
160

<210> 11
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 11
caggaaacag ctatgacc
18

<210> 12
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 12
gttctaagga tccattaact taaggag
27

<210> 13
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 13
tttgtgatgc atatgcaaat acaacggctg ttg
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<210> 14
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peptide

<400> 14
Met Lys Lys Ile Asn Leu Ala Leu Leu Thr Leu Ala Thr Leu Met Gly
1 5 10 15

Val Ser Ser Thr Ala Val Val Phe Ala Tyr Ala
20 25

<210> 15

<211> 27
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

<400> 15
cgcggtacct ttgaaaggat attcctc
27

<210> 16
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<212> DNA
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primer

<400> 16
cctacgtatt agaaatgaat gttaaagc
28

<210> 17
<211> 145
<212> PRT
<213> Lactococcus lactis

<400> 17
Met Ser Leu Ala Asn Gln Ile Asp Gln Phe Leu Gly Thr Ile Met Gln
1 5 10 15

Phe Ala Glu Asn Lys His Glu Ile Leu Leu Gly Lys Cys Glu Ser Asp
20 25 30

Val Lys Leu Thr Ser Thr Gln Glu His Ile Leu Met Leu Leu Ala Glu
35 40 45

Gln Ile Ser Thr Asn Ala Lys Ile Ala Glu Lys Leu Lys Ile Ser Pro
50 55 60

Ala Ala Val Thr Lys Ala Leu Lys Lys Leu Gln Glu Gln Glu Leu Ile
65 70 75 80

Lys Ser Ser Arg Ala Thr Asn Asp Glu Arg Val Val Leu Trp Ser Leu
85 90 95

Thr Glu Lys Ala Val Pro Val Ala Lys Glu His Ala Thr His His Glu
100 105 110

Lys Thr Leu Ser Thr Tyr Gln Glu Leu Gly Asn Lys Phe Thr Asp Glu
115 120 125

Glu Gln Glu Val Ile Ser Lys Phe Leu Ser Ala Leu Thr Glu Glu Phe
130 135 140

Gln
145